VALVE ELECTRONIC CV350

Specification MAP/CV350/Issue 1 Date 30.4.48 To be read in conjunction with K1001	SECURITY Specification [redacted] Unclassified Valve UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE : Triode C.W.Oscillator CATHODE : Indirectly heated ENVELOPE : Glass PROTOTYPE : E.1368	MARKING See K1001/4

RATING		Note
Heater Voltage	6.3	A
Heater Current (Approx.) (A)	0.6	
Max. Anode Voltage	350	
Max. Anode Dissipation (W)	10	B
Amplification Factor (approx.)	35	
Mutual Conductance (approx.) (mA/V)	5.0	C
CAPACITANCES (pF)		
Cag	1.9	
Cac	0.225	
Cgc	2.25	

BASE
None

DIMENSIONS AND CONNECTIONS
See Drawings pages 3 and 4.

NOTES

A. The heater is intended to be run at 6.3 volts. If run below 6.0 volts or above 6.6 volts the life and performance of the valve will be seriously impaired.

B. In order to limit the rate of change of anode seal temperature it is necessary that the mass of metal in close thermal contact with the anode disc should be not less than 2 oz. (approx. 60 grams).

C. Measured at Va = 250, Ia = 25 mA.

To be performed in addition to those applicable in K1001

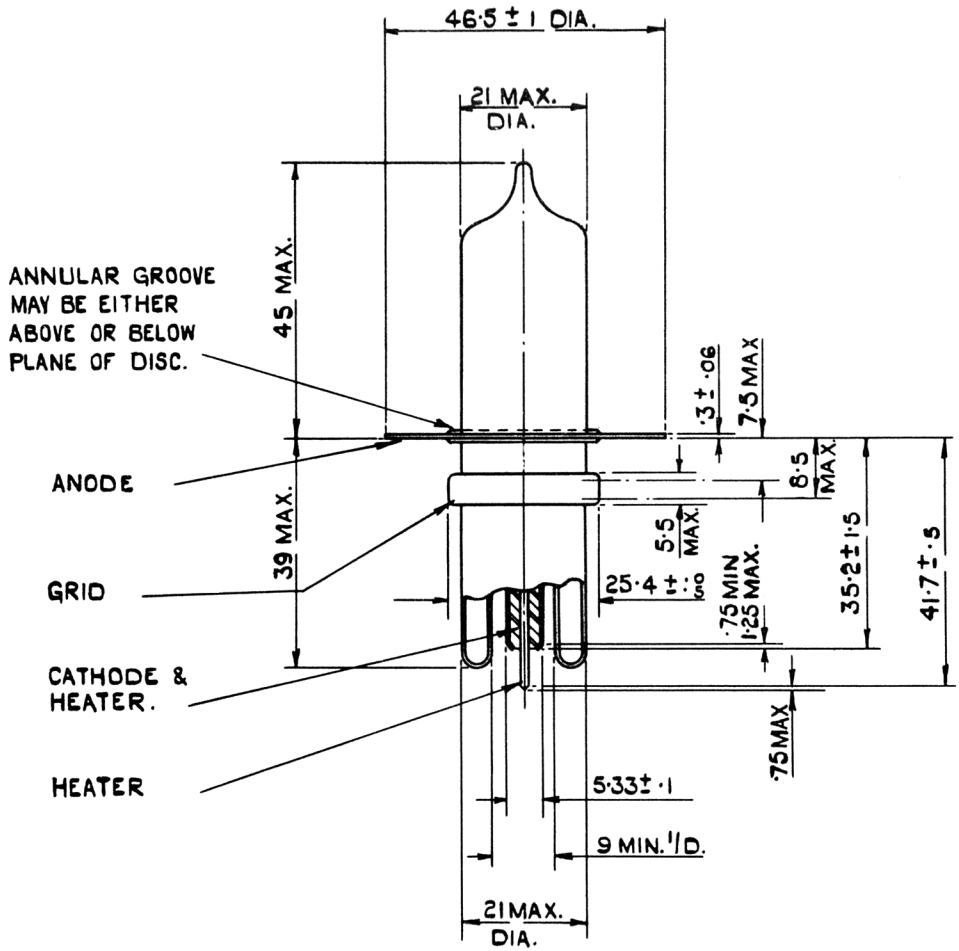
	Test Conditions					Test	Limits Min.	Limits Max.	No. Tested	Note
a	In approved apparatus					Capacitances (pF)			6 per week	
						Cag	1.6	2.2		
						Cac	0.2	0.25		
						Cgc	1.9	2.9		
	Vh	Va	Vg	Ia	Ig					
b	6.3	-	-	-	-	Ih (A)	0.5	0.75	100%	
c	6.3	250	-2	-	-	Reverse Ig (μA)	-	0.5	100%	1 & 2
d	6.3	250	-1	Read	-	Ia (mA)	10	50	100%	
e	6.3	250	-1 to -2	-	-	gm (mA/V)	2	-	100%	
f	6.3	250	-8	Read	-	Ia (tail) (mA)	-	5	100%	
g	6.3	0 (through 1000Ω)	+20	-	-	Ig (mA)	10	-	100%	

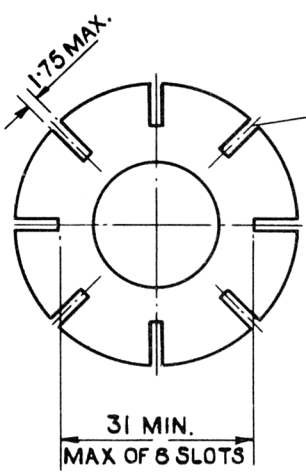
NOTES

1. Valve must be run at Va = 250, Ia = 40 mA for a duration of 1 minute before this test is made. See Note B. page 1.

2. Exclusive of grid emission or leakage current.

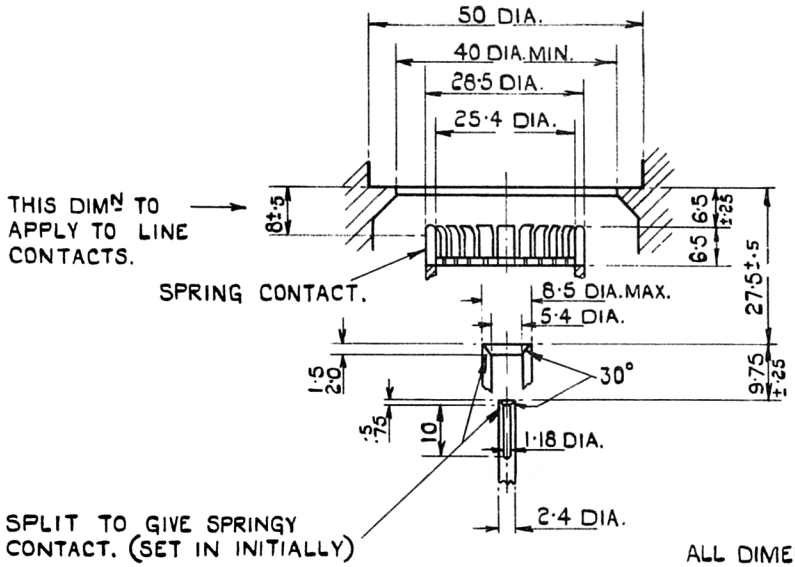
CV 350





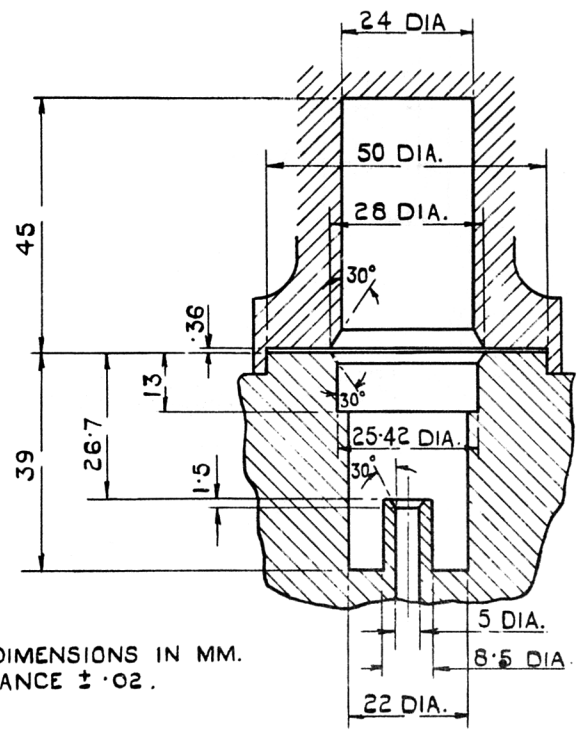
ALL DIMENSIONS IN MM.

NOTE :- CONCENTRICITY OF ELECTRODES AND GLASSWORK AND MAX. DIMENSIONS OF GLASSWORK TO BE SUCH THAT THE VALVE SHALL BE CAPABLE OF BEING INSERTED IN GAUGE.



ALL DIMENSIONS IN MM.

CIRCUIT DIMENSIONS



ALL DIMENSIONS IN MM.
TOLERANCE ± ·02.

CONCENTRICITY AND GLASSWORK GAUGE.